

A B S T R A C T

A microphone component that may be used in many types of enclosures for making contact with a living body for picking up body sounds. Piezoelectric transflexural diaphragm elements (3, 5, 6) are known; however, they are only useful as microphone elements when the manner of creating electrical contact does not influence their mechanical properties. A microphone component has been developed, which is both rugged and amenable to very inexpensive manufacture. This is obtained using a laminated construction in which a special layer is placed between the piezoelectric transflexural diaphragm element and the electrical interface element.